

LEGEND	
EXISTING	DESCRIPTION
	APPROXIMATE RIGHT-OF-WAY
⊕	CONTROL POINT
	ORDINARY HIGH WATER
	CULVERT
	EDGE OF PAVEMENT
	EDGE OF GRAVEL/SHOULDER
$\sim\sim\sim$	EDGE OF VEGETATION
	EXISTING THALWEG
	TOP OF BANK
	TOE OF SLOPE
UE	APPROXIMATE UNDERGROUND ELECTRICAL LINE
	UNDERGROUND COMMUNICATION
E	ELECTRICAL TRANSFORMER
_	

ABBREVIATIONS				
ALCAP	ALUMINUM CAP			
AVASP	AS VERTICAL AS SAFELY POSSIBL			
BFW	BANKFULL WIDTH			
CFS	CUBIC FEET PER SECOND			
CP	CONTROL POINT			
CSP	CORRUGATED STEEL PIPE			
Ε	EASTING			
ELEC	ELECTRIC			
ELEV	ELEVATION			
FT	FEET			
GALV.	GALVANIZED			
I.E.	INVERT ELEVATION			
IN	INCH			
ME	MATCH EXISTING			
MIN	MINIMUM			
ML	MILE			
N	NORTHING			
NTS	NOT TO SCALE			
онш	ORDINARY HIGH WATER			
Q	FLOW			
Q2D2	2-YEAR, 2-DAY FLOW			
SQ MI	SQUARE MILE			
STA	STATION			
ТВМ	TEMPORARY BENCH MARK			
TYP	TYPICAL			
VAP	VERTICAL ADJUSTMENT POTENTIAL			

Contract Drawings For

SOUTHEAST ALASKA WATERSHED COALITION CITY OF GUSTAVUS GUSTAVUS FISH PASSAGE IMPROVEMENTS PROJECT

GRANDPA'S FARM ROAD

SECTION 13, TOWNSHIP 40 SOUTH, RANGE 58 EAST, COPPER RIVER MERIDIAN, ALASKA FEBRUARY 2016



VICINITY MAP

GENERAL NOTES

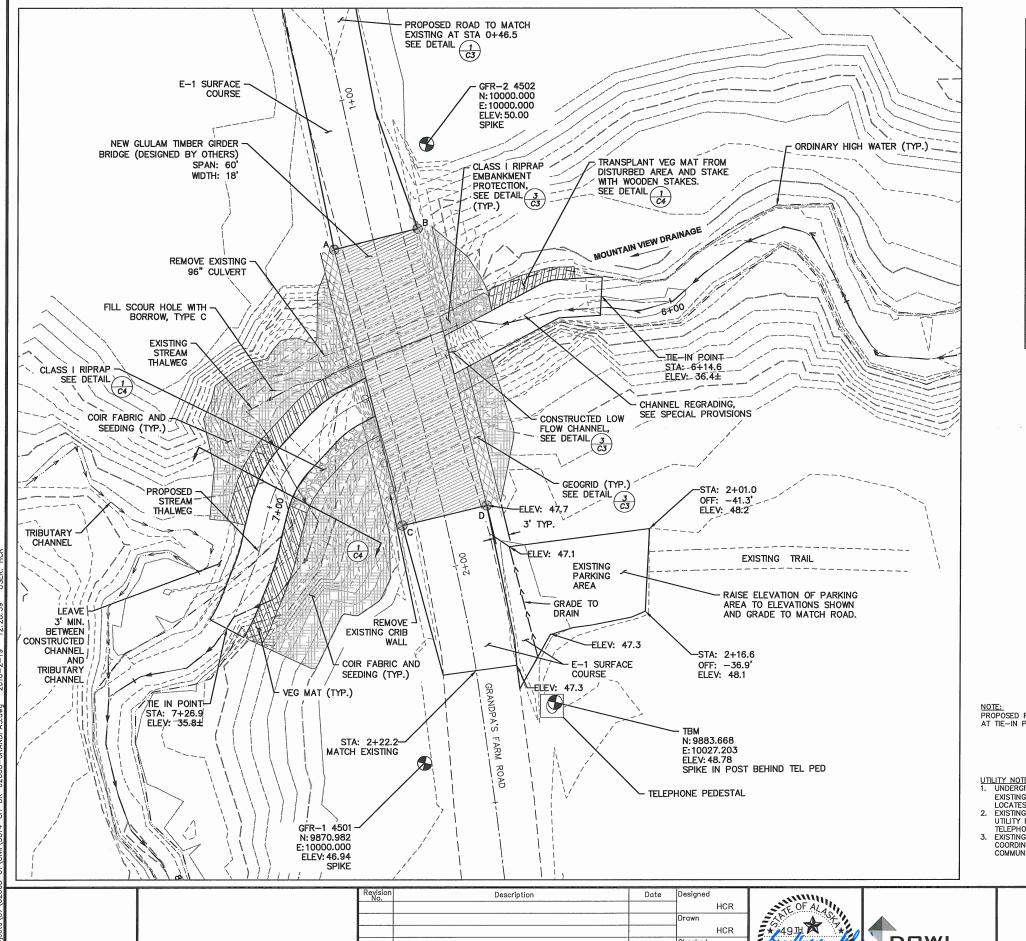
- 1. SURVEY INFORMATION WAS PROVIDED BY DOWL. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL SITE FEATURES. IF THE CONTRACTOR SHOULD ENCOUNTER CONDITIONS OTHER THAN THOSE SHOWN ON THE PLANS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S
- 2. PLANS MAY NOT SHOW ALL EXISTING UTILITIES ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES AND SHALL EXERCISE CAUTION DURING CONSTRUCTION.
- 4. COORDINATE CONSTRUCTION STAGING AND MOBILIZATION AREAS
- 5. EXERCISE EXTREME CAUTION AND OBSERVE ALL APPLICABLE OSHA REQUIREMENTS FOR WORKING IN CONFINED AREAS.
- 6. STATIONING IS ALONG CENTERLINE OF STREAM OR ROADWAY.
- 7. VERIFY ELEVATIONS OF ALL PROPOSED STRUCTURES PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES FROM PLANS IMMEDIATELY TO OWNER'S REPRESENTATIVE.
- 8. BRIDGE DESIGN LOAD: AASHTO LOADING HS-20, MINIMUM SOIL BEARING CAPACITY: 4000 PSF.
- A. REMOVE ALL ORGANIC OR OVER SATURATED SOFT MATERIAL, WHICH CANNOT BE COMPACTED.
- B. EMBANKMENT SHALL BE PLACED AND COMPACTED WITH CARE AND SHALL BE BROUGHT UP EVENLY. MATERIAL TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY.
- 10. ALL VEGETATION IN THE AREAS NOT AFFECTED BY WORK SHALL BE PRESERVED AND PROTECTED BY THE CONTRACTOR. RESEED ALL DISTURBED AREAS.

DRAWING INDEX

- **COVER SHEET**
- ROADWAY AND STREAM PLAN
- PROFILES AND SECTIONS
- STREAM DETAILS







ES ⁻	TIMATE OF QUANTITIES (GRA	NDPA'S FARM	ROAD)
Item No.	Pay Item	Pay Unit	Quantity
201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED
202(4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	33
203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	412
203(5C)	BORROW, TYPE C	CUBIC YARD	246
203(19)	STREAM DIVERSION & DEWATERING	LUMP SUM	ALL REQUIRED
203(20)	UTILITY RELOCATION	LUMP SUM	ALL REQUIRED
301(4)	AGGREGATE SURFACE COURSE (E-1)	CUBIC YARD	18
506(5)	MODULAR GLULAM TIMBER GIRDER BRIDGE WITH TIMBER DECK (DESIGNED BY OTHERS)	LUMP SUM	ALL REQUIRED
506(6)	PREFABRICATED TIMBER SILLS AND BACKWALLS	LUMP SUM	ALL REQUIRED
506(7)	SHIPPING	LUMP SUM	ALL REQUIRED
506(8)	ASSEMBLY AND INSTALLATION OF BRIDGE	LUMP SUM	ALL REQUIRED
611(1)	RIPRAP, CLASS I	CUBIC YARD	70
618(4)	SEEDING	LUMP SUM	ALL REQUIRED
619(2)	MATTING	SQUARE YARD	217
630(1)	GEOTEXTILE, SEPARATION	SQUARE YARD	181
634(1)	GEOGRID	SQUARE YARD	75
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641(1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED

	BRIDGE COORDINATE TABLE					
Ì	POINT	NORTHING	EASTING	DECK ELEVATION	STATION	OFFSET
	Α	9978.000	9980.728	48.2	1+29.88	8.44
	В	9982.393	9998.183	48.2	1+29.74	-9.56
	С	9920.504	9995.198	47.7	1+89.23	8.92
	D	9924.680	10012.709	47.7	1+89.22	-9.08

PERMANENT FILL BELOW OHW			
MATERIAL	VOL (CY)	AREA (SF)	
RIPRAP	43	837	
GEOTEXTILE	3	837	
COIR FABRIC	2	519	
BORROW	67	537	

PROPOSED ROAD WIDTH TO TAPER FROM 18' AT BRIDGE TO EXISTING WIDTH

UTILITY NOTES:
1. UNDERGROUND ELECTRIC LINE AND TELEPHONE LINE PRESENT IN

UNDERGROUND ELECTRIC LINE AND TELEPHONE LINE PRESENT IN EXISTING GRANDPA'S FARM ROAD EMBANKMENT. REQUEST UTILITY LOCATES PRIOR TO BEGINNING EXCAVATION.
 EXISTING UNDERGROUND ELECTRIC LINE TO BE RELOCATED. COORDINATE UTILITY RELOCATE WITH CITY OF GUSTAVUS AND ALASKA POWER & TELEPHONE COMPANY.
 EXISTING UNDERGROUND TELEPHONE LINE TO BE RELOCATED. COORDINATE UTILITY RELOCATE WITH CITY OF GUSTAVUS AND ALASKA COMMUNICATION SYSTEMS.



N

CALL BEFORE YOU DIG The Contractor shall notify all area utility companies prior to commencement of excavation The following is a partial list: AP&T 697-2299 ACS 563-8000

Revision No.	Description	Date	Designed
			HCR
			Drawn
			HCR
			Checked
			RDP
			Date
			FEB, 2016
Project Number:	File No:	Scale:	AS SHOWN



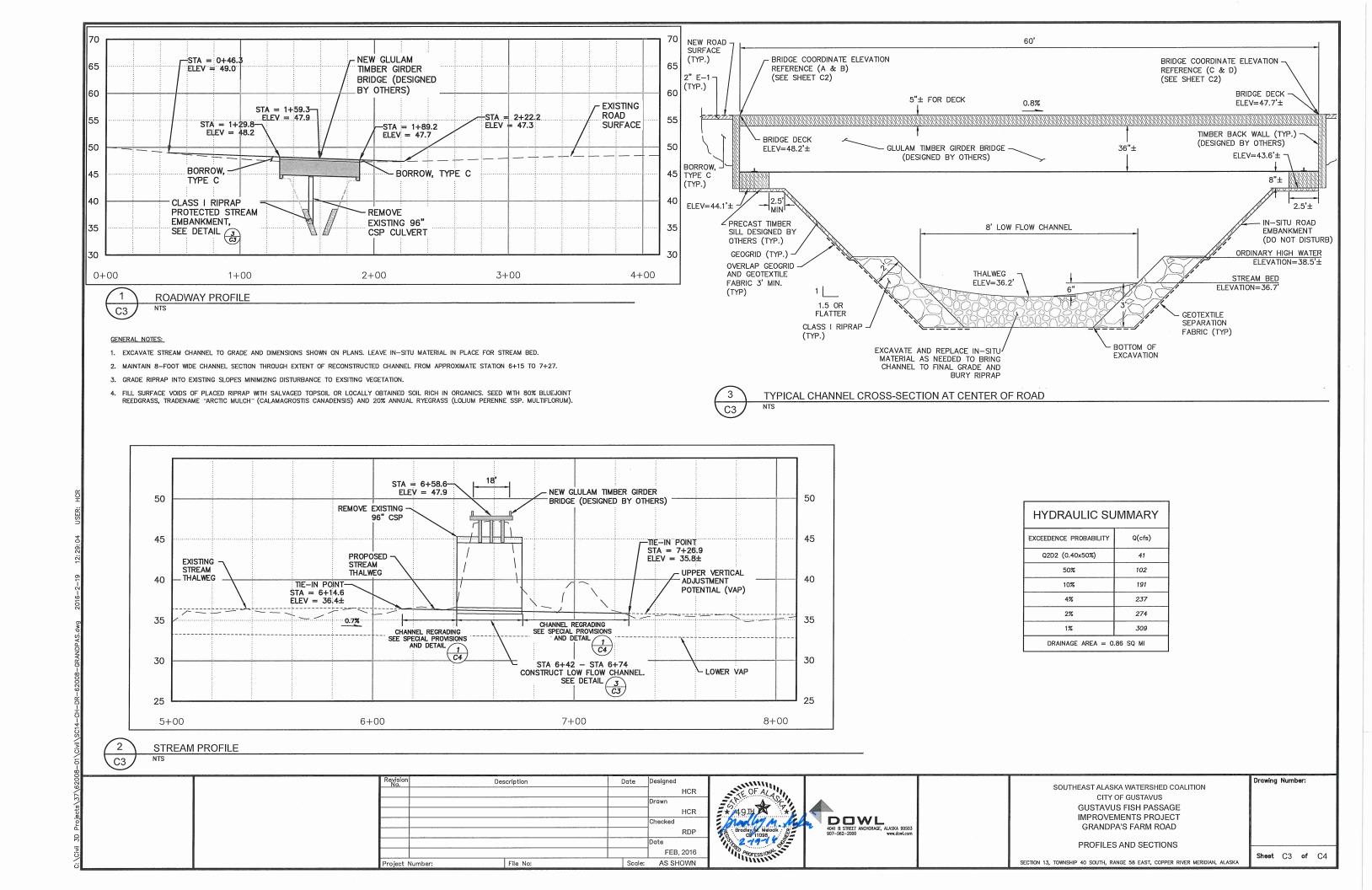
SOUTHEAST ALASKA WATERSHED COALITION CITY OF GUSTAVUS GUSTAVUS FISH PASSAGE IMPROVEMENTS PROJECT GRANDPA'S FARM ROAD

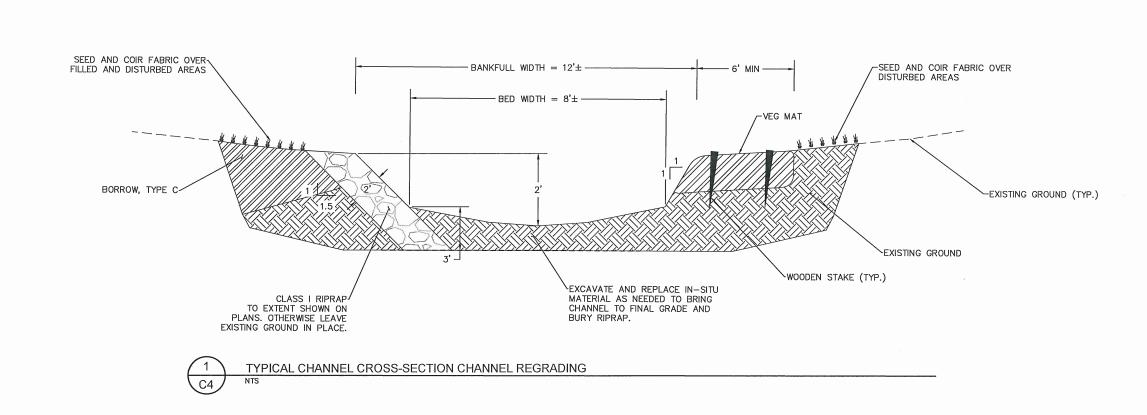
ROADWAY AND STREAM PLAN

SECTION 13, TOWNSHIP 40 SOUTH, RANGE 58 EAST, COPPER RIVER MERIDIAN, ALASKA

Drawing Number:

Sheet C2 of C4





NOTES:

1. SALVAGE VEGETATIVE (VEG) MAT FROM AREA TO BE DISTURBED FOR EXCAVATION.

2. VEG MAT TO BE MINIMUM OF 1' THICK.

3. AFTER TRANSPLANTING VEG MAT TO PROPOSED BANKS, STAKE IN PLACE WITH WOODEN STAKES AT LEAST 2' LONG. PROVIDE ONE STAKE PER SQUARE YARD OF INSTALLED VEG MAT.

4. APPROXIMATE AREA OF TRANSPLANTED VEG MAT IS 36 SQUARE YARDS.

Description Date HCR HCR RDP FEB, 2016 Scale: AS SHOWN Project Number: File No:



SOUTHEAST ALASKA WATERSHED COALITION CITY OF GUSTAVUS GUSTAVUS FISH PASSAGE IMPROVEMENTS PROJECT GRANDPA'S FARM ROAD

STREAM DETAILS

SECTION 13, TOWNSHIP 40 SOUTH, RANGE 58 EAST, COPPER RIVER MERIDIAN, ALASKA

Sheet C4 of C4

Drawing Number: